

MX(1,3)0***** - MPXPRO Collegamenti elettrici e di rete/MPXPRO Wiring and network connections/Connexions électriques et de réseau/Elektro- und Netzwerkanschlüsse



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General description

This technical leaflet describes the **MPXPRO** family, highlighting the electrical connections for the main board, the options and the accessories. All the components are described in the full-optional versions. Consequently, this represents the maximum possible application of the **MPXPRO**. Other simpler possibilities depend on the specific product codes and applications.

Models:

CAREL CODE	MODEL	RS485 & RTC	RELAY MAP (see the wiring diagram)	PROBES	PWM outputs	EXPANSION BOARD (installed on the main board)
MX(1,3)0M00**0	Master	✓	R1,R2,R3,R4,R5	NTC	-	-
MX(1,3)0S00**0	Slave	-	R1,R2,R3,R4,R5	NTC	-	-
MX(1,3)0S10**0	Slave	-	R1,R3,R5	NTC	-	-
MX30M21**0	Master	✓	R1,R2,R3,R4,R5	NTC/PTC/PT1000	2	-
MX30S21**0	Slave	-	R1,R2,R3,R4,R5	NTC/PTC/PT1000	2	-
MX30S31**0	Slave	-	R1,R3,R5	NTC/PTC/PT1000	2	-
MX30M25**0	Master	✓	R1,R2,R3,R4,R5	NTC/PTC/PT1000	2	CAREL E2V DRIVER +0 to 10 Vdc output
MX30S25**0	Slave	-	R1,R2,R3,R4,R5	NTC/PTC/PT1000	2	CAREL E2V DRIVER +0 to 10 Vdc output
MX30M24**0	Master	✓	R1,R2,R3,R4,R5	NTC/PTC/PT1000	2	PWM DRIVER +0 to 10 Vdc output
MX30S24**0	Slave	-	R1,R2,R3,R4,R5	NTC/PTC/PT1000	2	PWM DRIVER +0 to 10 Vdc output

Tab. 1

Warning:

- The board must not be installed on surfaces that exceed 70 °C (50 °C ambient) and 80 °C (60 °C ambient);
- Use with an external disconnect switch positioned near the appliance that is compliant with the IEC60947-1 and IEC60947-3 standards;
- Use cables with a temperature rating of 90 °C, if the temperature of the terminals exceeds 85 °C uses a cable with a temperature rating of 105 °C;
- The connection cables must guarantee insulation up to 90 °C and if necessary up to 105 °C, when the temperature of the relay terminals exceeds 85 °C;
- If the appliance is used in a way that is not specified by the manufacturer, the guaranteed protection of the appliance may be compromised;
- If the current is higher than 6 A in R1, R2, R3, R4, R5, use only cables with a section of 2.5 mm² (14 AWG);
- The board must not be accessible to people without warrant of installing.

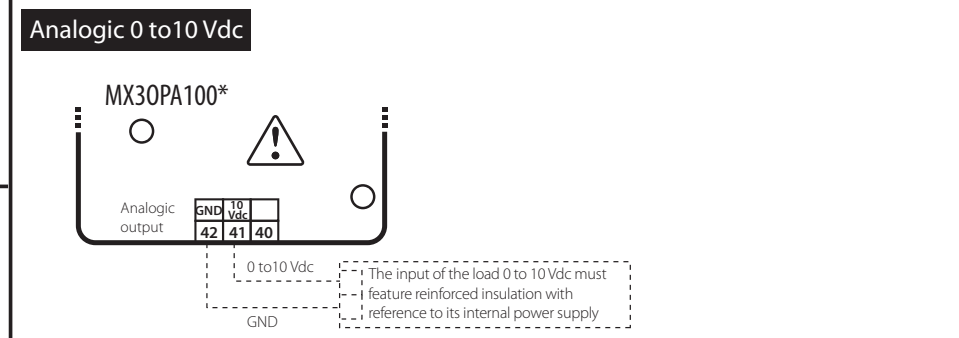
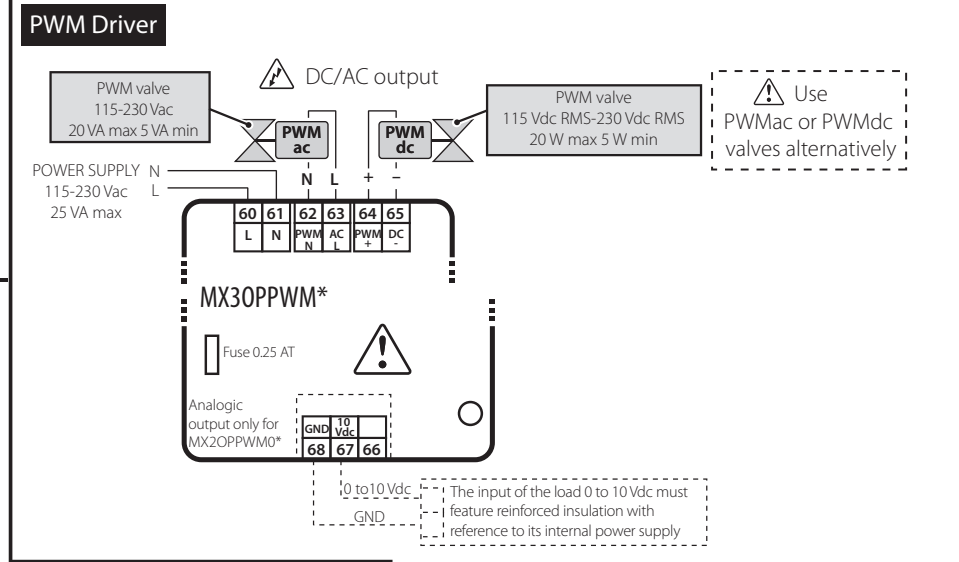
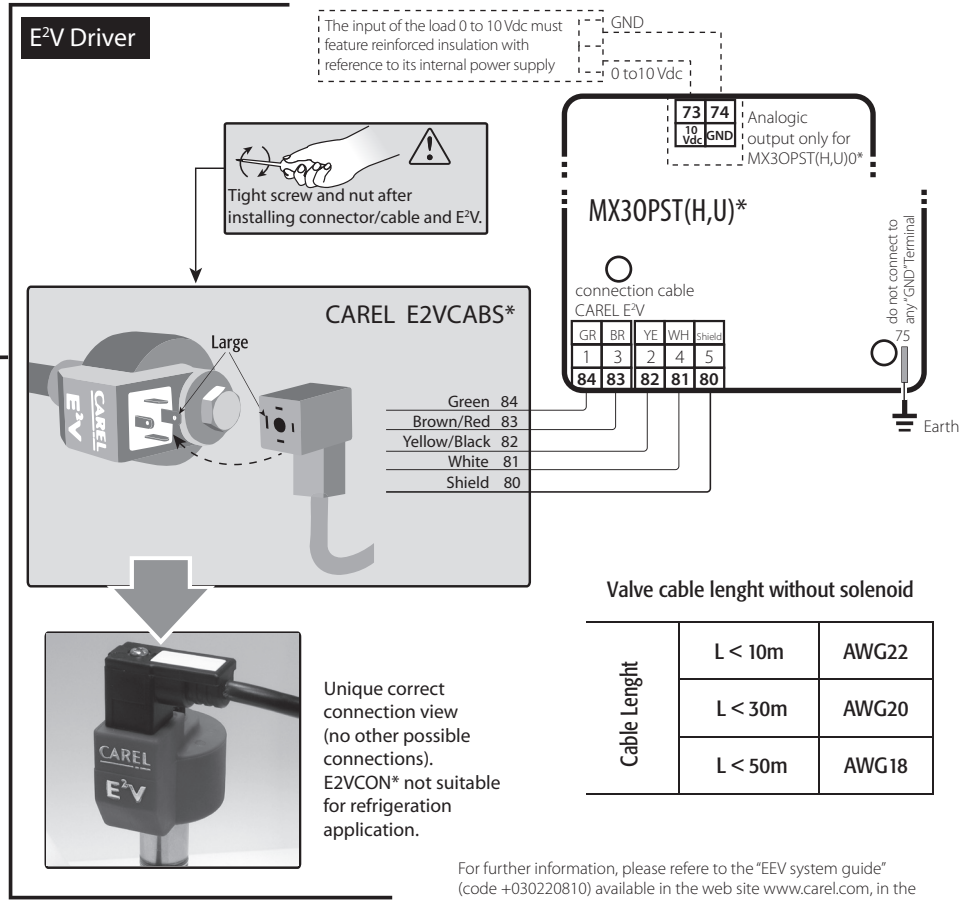
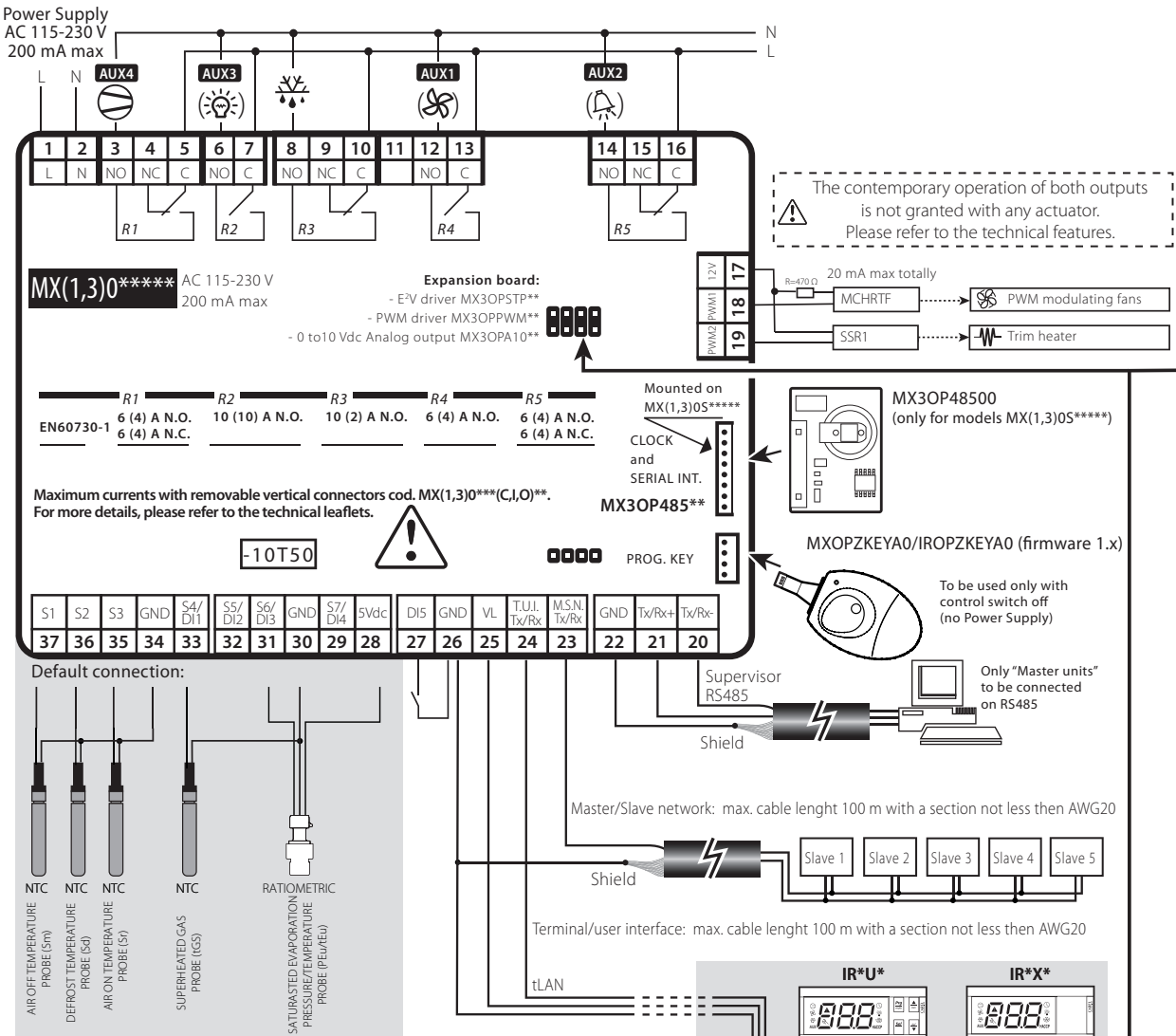
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- ENG** Disposal of the product: The appliance (or the product) must be disposed of separately in compliance with the local standards in force on waste disposal.
- FRE** Élimination du produit: L'équipement (ou le produit) doit faire l'objet d'un ramassage particulier en conformité avec les normes en vigueur locales en matière d'élimination des déchets
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(*) = installation without capillary tubing possible

